

# FIG. 1A

10 30 50  
 CCTGAAGGAGAGCAGGGAGAGAGAGGACAGTGGCCAGAGAGGGCTCTGGGCACTGGAGG  
 70 90 110  
 GACGCTCTTCTTCTGCCCCAGGGTCCCTGGGCCGATGGGATCACGCAGAGAAGAAATGCGGAG  
 130 150 170  
 AGAAGCAGCCCTTTTGAGAAGGGAAGTCACTATCCCCAGAGCCCCAGACTGAGCGGATGGAGTT  
 M E L  
 190 210 230  
 GAGGAAGTACGGCCCTGGAAGACTGGCGGGACAGTTATAGGAGAGCTGCTCAGAGTAA  
 R K Y G P G R L A G T V I G G A A Q S K  
 250 270 290  
 ATCACAGACTAAATCAGACTCAATCACAAAAGAGTTCCCTGCCAGGCCCTTTACACAGCCCC  
 S Q T K S D S I T K E F L P G L Y T A P  
 310 330 350  
 TTCCTCCCCGTTCCCCGCCCTCACAGGTGAGTGACCACCAAGTGCTAAATGACGCCGAGGT  
 S S P F P P S Q V S D H Q V L N D A E V  
 370 390 410  
 TGCCGCCCTCCTGGAGAACTTCAGCTCTTCCCTATGACTATGGAGAAAACGAGAGTGACTC  
 A A L L E N F S S S Y D Y G E N E S D S  
 430 450 470  
 GTGCTGTACCTCCCCGCCCTGCCACAGGACTTCAGCCCTGAACCTCGACCGGCCCTTCCT  
 C C T S P P C P Q D E S L N F D R A F L  
 490 510 530

MATCH WITH FIG. 1B



# FIG. 1B

MATCH WITH FIG. 1A

GCCAGCCCTCTACAGCCCTCCTCTTCTGCTGGGGCTGCTGGGCAACGGCGGTGGCAGC  
P A L N S L L F L L G L L G N G A V A A

CGTGCTGCTGAGCCGGGACAGCCCTGAGCAGCAGCAGACACCTTCTGCTCCACCTAGC  
V L L S R R T A L S S T D T F L L H L A

TGTAGCAGACAGCTGCTGGTGCTGACACTGCCGCTCTGGGCAGTGAGCGCTGCCGTCCA  
V A D T L L V L T L P L W A V D A A V Q

GTGGTCTTTGGCTCTGGCCTCTGCAAGTGGCAGTGCCCTCTTCAACATCAACTTCTA  
W V F G S G L C K V A G A L F N I N F Y

CGCAGGAGCCCTCCTGCTGGCCTGCATCAGCTTTGACCGCTACCTGAACATAGTTCATGC  
A G A L L L A C I S F D R Y L N I V H A

CACCCAGCTCTACCGCGGGGCGCCCGCGGTGACCCCTCACCCTGCTGGCTGTCTG  
T Q L Y R R G P P A R V T L T C L A V W

GGGGCTCTGCCTGCTTTTGGCCCTCCAGACTTTCATCTTCTGTCGGCCACACGACGA  
G L C L L F A L P D F I F L S A H D E

GGGCCTCAACGCCACCCACTGCCAATACAACTTCCACAGGTGGCGCCGACGGCTCTGCG  
R L N A T H C Q Y N F P Q V G R T A L R

MATCH WITH FIG. 1C

MATCH WITH FIG. 1B

FIG. 1C

970 990 1010  
GGTGTGCAGCTGGTGGCTGGCTTTCTGCTGCCCTGCTGGTCACTGGCCTACTGCTATGC  
V L Q L V A G F L L P L L V M A Y C Y A  
1030 1050 1070  
CCACATCCTGGCCGTGCTGCTGGTTCCAGGGGCCAGCGGCCCTGCGGGCCATGCGGCT  
H I L A V L L V S R G Q R R L R A M R L  
1090 1110 1130  
GGTGGTGGTGGTGGTGGCTTTGCCCCTCTGCTGGACCCCTATCACCTGGTGGTGGCT  
V V V V V V A F A L C W T P Y H L V V L  
1150 1170 1190  
GGTGGACATCCTCATGGACCTGGGGCGCTTTGGCCCCGCAACTGTGGCCGAGAAAGCAGGGT  
V D I L M D L G A L A R N C G R E S R V  
1210 1230 1250  
AGACGTGGCCCAAGTCGGTCACCTCAGGCCCTGGGCTACATGCACCTGCCTCAACCCGCT  
D V A K S V T S G L G Y M H C C L N P L  
1270 1290 1310  
GCTCTATGCCCTTTGTAGGGGTCAAGTCCGGGAGCGGATGTGGATGCTGCTCTTGCGCCT  
L Y A F V G V K F R E R M W M L L L R L

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MATCH WITH FIG. 1D



# American Type Culture Collection

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## BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSES OF PATENT PROCEDURE

### INTERNATIONAL FORM

#### RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT ISSUED PURSUANT TO RULE 7.3 AND VIABILITY STATEMENT ISSUED PURSUANT TO RULE 10.2

To: (Name and Address of Depositor or Attorney)

Human Genome Sciences  
Attention: Robert H. Benson  
9410 Key West Avenue  
Rockville, MD 20850

Deposited on Behalf of: Human Genome Sciences - PF218

Identification Reference by Depositor: ATCC Designation

DNA Plasmid, 498333 97334

The deposit was accompanied by: ☐ a scientific description ☐ a proposed taxonomic description indicated above.

The deposit was received November 6, 1995 by this International Depository Authority and has been accepted.

#### AT YOUR REQUEST:

☒ We will inform you of requests for the strain for 30 years.

The strain will be made available if a patent office signatory to the Budapest Treaty certifies one's right to receive, or if a U.S. Patent is issued citing the strain and ATCC is instructed by the United States Patent & Trademark Office or the depositor to release said strain.

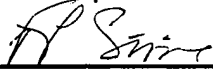
If the culture should die or be destroyed during the effective term of the deposit, it shall be your responsibility to replace it with living culture of the same.

The strain will be maintained for a period of at least 30 years after the date of deposit, and for a period of at least five years after the most recent request for a sample. The United States and many other countries are signatory to the Budapest Treaty.

The viability of the culture cited above was tested November 22, 1995. On that date, the culture was viable.

International Depository Authority: American Type Culture Collection, Rockville, Md. 20852 USA

Signature of person having authority to represent ATCC:

  
\_\_\_\_\_  
Frank Simi ne, Director, Patent Depository

Date: December 7, 1995

cc: Greg D. Ferraro, J.D.